



Mouse Genome Informatics
MGI Home Help

Search for

Go

in these sections

- All sections
- Gene symbols/names
- Accession IDs
- Phenotype/Human Disease
- Gene Expression
- Gene Ontology
- Anatomical Dictionary
- Phenotype Ontology (MP)

Advanced search for...

Search Categories

- All Search Tools
- Genes/Markers
- Phenotypes/Alleles
- Strains/Polymorphisms NEW
- Expression
- Sequences
- Comparative Maps/Data
- Mouse Maps/Data
- Mouse Tumor Biology
- Probes/Clones
- References
- Vocabulary Browsers
 - Anatomical Dictionary
 - Gene Ontology (GO)
 - Human Disease (OMIM)
 - Phenotype Ontology (MP)
 - Protein Superfamily

[MouseBLAST](#)

[Mouse GBrowse](#)

[IMSR \(Find Mice\)](#)

Tools and Links

- [Citing These Resources](#)
- [Funding Information](#)
- [Warranty Disclaimer](#)
- [& Copyright Notice](#)
- [Send questions and comments to User Support.](#)



Search Results

Search for: FUT8

In these sections: All Options

Genes and Markers(1)

Searched Nomenclature (symbols, names, synonyms, alleles, and orthologs)

[Advanced Genes a](#)

| Chr | cM | Genome Coordinates | Symbol, Name | Matching Text |
|-----|----------|-----------------------|---|---------------|
| 12 | syntenic | 74094713-74332579 (+) | Fut8 , fucosyltransferase 8 | current symb |

Accession IDs(0)

[Advanced Accession](#)

No results found.

Phenotypes (includes Human Diseases)

Alleles by Allele Nomenclature(1)

Searched for Alleles by Allele Nomenclature (Symbol/Name/Synonym)

[Advanced Alleles Nomenclatur](#)

| Allele Symbol Gene;Allele Name | Chr | Synonyms | Category | Observed Phenotypes in Mouse | | Allelic Comp (Genetic Bac |
|---|-----|-------------------|----------------------|---|---|--|
| | | | | Affected Anatomical Systems | Similar Human Diseases | |
| Fut8^{tm1Nta} fucosyltransferase 8; targeted mutation 1, Naoyuki Taniguchi | 12 | Fut8 ⁻ | Targeted (knock-out) | lethality/postnatal, growth/size, respiratory | Emphysema , Hereditary Pulmonary 130700 | Fut8^{tm1Nta}/ (involves 129S2/S |

Alleles by Mammalian Phenotype or Human Disease Vocabulary(0)

Searched Alleles by MP Terms, Synonyms, IDs and Annotation Notes, and Disease Terms, Synonyms, and IDs

[Advanced Alleles by M Phenotype or Huma Vocabulary](#)

No results found.

Alleles by Gene/Marker Nomenclature(1)

Searched for Alleles by Gene/Marker Nomenclature (Symbol/Name/Synonym/Ortholog)

[Advanced Gene/Marker Nor](#)

| Allele Symbol Gene;Allele Name | Chr | Synonyms | Category | Observed Phenotypes in Mouse | | Allelic Comp (Genetic Bac |
|---|-----|-------------------|----------------------|---|---|--|
| | | | | Affected Anatomical Systems | Similar Human Diseases | |
| Fut8^{tm1Nta} fucosyltransferase 8; targeted mutation 1, Naoyuki Taniguchi | 12 | Fut8 ⁻ | Targeted (knock-out) | lethality/postnatal, growth/size, respiratory | Emphysema , Hereditary Pulmonary 130700 | Fut8^{tm1Nta}/ (involves 129S2/S |

Mammalian Phenotype Ontology(0)

Searched for Mammalian Phenotype Ontology Terms

[Advanced Mammalian Phenotype](#)

No results found.

Human Disease Vocabulary(0)

MGI 3.5

Searched Human Disease Vocabulary
Terms

[Advanced Human Disease V](#)

No results found.

Gene Expression Data

Assays by Gene(1)

Searched expression assays using gene symbols, names, and
synonyms that contain the query term

[Advar](#)
[Expressio](#)

| Gene | Assay Type | Result Details | Reference |
|----------------------|------------|-----------------------------|---|
| Fut8 | RT-PCR | MGI:2654775 | J:74082, Hayashi H, DNA Seq 2000;11(1-2):91-6 |

Assay Results by Anatomical Structure(0)

Searched expression assay results using anatomical structures and their subs
that contain the query term

An error has occurred

Gene Ontology(0)

Searched Gene Ontology terms and synonyms

[Advanced Gene Ontol](#)

No results found.

Mouse Anatomical Dictionary(0)

Searched Anatomical Dictionary structures and
synonyms that contain the query term.

[Advanced Mouse](#)
[Diction](#)

No results found.

Mammalian Phenotype Ontology(0)

Searched for Mammalian Phenotype
Ontology Terms

[Advanced Mammalian Phenotyp](#)

No results found.

Mouse Sequences(2)

Searched descriptions of mouse sequences from sequence
provider for only those sequences associated to MGI genes and
markers.

[Adva](#)
[Sequen](#)

| Sequence | Strain/Species | Description From Sequence Provider |
|---|----------------|---|
| NM_016893 RNA 3052 bp C57BL/6 RefSeq MGI Sequence Detail | | Mus musculus fucosyltransferase 8 (Fut8) mRNA. |
| TC1567623 RNA 3052 bp Not TIGR Applicable MGI Sequence Detail | | GB AAH10666.1 14715013 BC010666 Fu protein {Mus musculus;} , complete |

References(3)

Searched abstracts

[Advanced Referen](#)

| J Number | Reference |
|--------------------------|---|
| J:102932 | Wang X, Proc Natl Acad Sci U S A 2005 Nov 1;102(44):15791-6 |
| J:65428 | Javaud C, Mol Biol Evol 2000 Nov;17(11):1661-72 |
| J:44172 | Costache M, J Biol Chem 1997 Nov 21;272(47):29721-8 |

Festing's Strain Characteristics(0)

Searched M. Festing's descriptions of mouse and rat
inbred strain characteristics

[Advanced Fest](#)
[Characteris](#)

No results found.